	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	IS&R	L1	321	(331/155).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	2007/10/02 11:49	
2	BRS	L2	15	l1 and "surface acoustic wave"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	2007/10/02 11:49	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	IS&R	L2	3242	((310/313R,317,318,338) or (73/32R,649,664)).CCLS.	USPAT	2007/10/02 09:46	
2	IS&R	L3	545	((310/313R,317,318,338) or (73/32R,649,664)).CCLS.	US-PGPUB	2007/10/02 09:46	
3	IS&R	L4	1133	((310/313R,317,318,338) or (73/32R,649,664)).CCLS.	FPRS; EPO; JPO; DERWENT; IBM_TDB	2007/10/02 09:47	
4	BRS	L5	4920	l2 or l3 or l4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	2007/10/02 09:47	
5	BRS	L6	35	l5 and "surface acoustic wave" and capacitor and oscillator and impedance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	2007/10/02 09:53	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
6	BRS	L7	0	"surface acoustic wave" and capacitor and oscillator adj2 circuit and impedance adj2 circuit and reaction adj2 film and target	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	2007/10/02 09:54	

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surface acoustic wave AND

AND

oscillator impedance circuit AND

AND

capacitor sensor mass loading AND

AND

Date of publication of application --- e.g.19980401 - 19980405

-

AND

IPC --- e.g. D01B7/04 A01C11/02

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RESULT LIST
0 results found in the Worldwide database for:
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1 result found in the Worldwide database for:
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1 Oscillator circuit including surface acoustic wave sensor, and biosensor apparatus

Inventor: MICHIO OKAGUCHI KENJIRO FUJIMO (JP) **Applicant:** MURATA MANUFACTURING CO (JP)

EC: G01N29/02F; G01N29/24G; (+2) **IPC:** ***G01N29/02; G01N5/02; G01N29/24*** (+5)

Publication info: **CN1875268** - 2006-12-06

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Results of searching in PCT for:
"surface acoustic wave" and ("mass loading" or "reaction film") and oscillator and impedance:
22 records
Showing records 1 *to* 22 *of* 22 :

[Search Summary]

Refine Search "surface acoustic wave" and ("mass loading" or "reactic

	Title	Pub. Date	Int. Class	App. Num	Applicant
1.	(WO 2007/073473) ACOUSTIC WAVE DEVICE USED AS RFID AND AS SENSOR	28.06.2007	G01N 29/02	PCT/US2006/047923	HONEYWELL INTERNATIONAL INC.

An acoustic wave device and related systems and methods, with some embodiments comprising a device with both an acoustic wave sensor and a SAW RFID. In some embodiments, the device is powered by capturing energy from the surrounding environment without the need for an interrogating RF signal.

2.	(WO 2007/030756) PASSIVE SAW-BASED HYDROGEN SENSOR AND SYSTEM	15.03.2007	G01N 27/00	PCT/US2006/035151	APPLIED SENSOR RESEARCH & DEVELOPMENT CORPORATION

A hydrogen detecting system is characterized by a passive **surface acoustic wave** (SAW) sensor. The sensor includes a piezoelectric substrate having a self assembled monolayer arranged on at least a portion of the substrate to create a hydrophobic surface. A palladium nanocluster thin film is deposited on the monolayer and an interdigital SAW transducer is disposed upon the piezoelectric substrate for conversion of an RF signal into an acoustic wave and vice versa. At least one additional SAW element is also disposed on the substrate and spaced from the SAW transducer. The SAW element receives a signal from the SAW transducer and produces a response signal. The response signal is modified by the palladium nanocluster film due to a change in c...

3.	(WO 2007/030462) HYBRID SAW/BAW SENSOR	15.03.2007	G01N 29/02	PCT/US2006/034582	HONEYWELL INTERNATIONAL INC.

A SAW/BAW hybrid sensor is a sensor that combines the ease of interfacing with a higher frequency of SAW device and the response, precision, ease of use with liquid applications and dynamic range of a BAW sensor. The SAW device can condition an interrogation signal before passing it to the BAW sensor. For example, the SAW device can act as an **impedance** matcher or a frequency shifter. The hybrid sensor can be created by connecting the electrodes of a BAW sensor to a SAW device transducer. The hybrid sensor can be interrogated via any of the common interrogation circuits such as a grid dip **oscillator** or a RADAR type interrogation system.

4.	(WO 2006/118625) A MULTIPLE-FUNCTION ACOUSTIC WAVE OIL QUALITY SENSOR.	09.11.2006	G01N 33/28	PCT/US2006/003517	HONEYWELL INTERNATIONAL INC.

A method and system for detecting oil quality. The quality of engine oil can be determined utilizing an acoustic wave sensor to obtain viscosity and corrosivity data associated with the engine oil. The acoustic wave sensor is coated with a material that selectively reacts to at least one type of an acid in order to provide data indicative of the presence of the acids in the engine oil. The etch rate or the corrosivity of the engine oil can be determined based on the frequency data obtained as a result of the frequency measurement utilizing the acoustic wave sensor. The viscosity of the engine oil can additionally be obtained based on a measurement of phase and amplitude obtained from the data utilizing the acoustic wave sensor. The etch rat...

5.	(WO 2006/112913) MULTIPLE-MODE ACOUSTIC WAVE SENSOR	26.10.2006	G01L 9/00	PCT/US2006/003452	HONEYWELL INTERNATIONAL INC.

A multiple-mode acoustic wave sensor apparatus includes an acoustic wave device comprising a piezoelectric substrate and at least one electrode on the substrate. When such sensor is used in a wireless configuration, a plurality of

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Search Query :

((("impedance circuit" and "oscillator cir

Query: ((("impedance circuit" and "oscillator circuit")) <AND> ((("surface acoustic wave")) <in> abstract) <AND> (((reacti* and "mass loading")) <in> claims)

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